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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/521,973	07/18/2006	Yuehui Zhou	102699-102	7575	
8015 CYTEC INDUS	7590 06/17/200 STRIES INC.	9	EXAMINER		
1937 WEST MA		SHIAO, REI TSANG			
P.O. BOX 60 STAMFORD, 0	CT 06904-0060		ART UNIT	PAPER NUMBER	
,			1626		
			MAIL DATE	DELIVERY MODE	
			06/17/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Comments	10/521,973	ZHOU ET AL.				
Office Action Summary	Examiner	Art Unit				
	REI-TSANG SHIAO	1626				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)⊠ Responsive to communication(s) filed on <u>09 Ar</u>	oril 2009					
	action is non-final.					
·=						
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
		0 0.0.2.0.				
Disposition of Claims						
4) ☐ Claim(s) 1-13 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) ☐ Claim(s) is/are allowed.  6) ☐ Claim(s) 1-13 is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the output of of the	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	: 37 CFR 1.85(a). ected to. See 37 CF				
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents 2. ☐ Certified copies of the priority documents 3. ☐ Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received i (PCT Rule 17.2(a)).	on No d in this National	Stage			
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 4/09/09.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te				

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#### **DETAILED ACTION**

1. This application claims benefit of the foreign applications:

CANADA 2398682 with a filing date 08/16/2002.

2. Amendment of claims 1-2, 5-7, 9 and 13 in the amendment filed on April 09, 2009 is acknowledged. Claims 1-13 are pending in the application.

### Information Disclosure Statement

3. Applicant's Information Disclosure Statement filed on April 09, 2009, has been considered. Please refer to Applicant's copy of the 1449 submitted herein.

## Responses to Amendment/Arguments

- **4.** The rejection of claims 1-6 under 35 U.S.C. 112, second paragraph has been overcome in the amendment filed on April 09, 2009.
- 5. Applicant's arguments regarding the rejection of claims 1-13 under 35 U.S.C. 102(a) filed on April 09, 2009 have been fully considered but they are not persuasive. It is noted that Wasserscheid et al. '188, Holbrey et al. '049, or Wasserscheid et al. '757 independently discloses imidazolium compounds, wherein the anion represents methyl sulfate or Me-(CH<sub>2</sub>)<sub>7</sub>-O-SO<sub>3</sub><sup>-</sup>. They still anticipate the instant compounds of formula (I), wherein the variable

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6. Applicant's arguments regarding the rejection of claims 1-13 under the obviousness-type double patenting over claim 30 of Zhou et al. co-pending application No. 10/549,223 have been fully considered but they are not persuasive. It is noted that

Zhou et al. '223 claim compounds of formula (VII), i.e.,  $X^{-}$ , and  $X^{-}$ 

represents . Therefore the rejection of claims 1-13 under the obviousness-type double patenting over claim 30 of Zhou et al. co-pending application No. 10/549,223 is maintained. Applicants are requested to file a terminal disclaimer to overcome the rejection.

# Claim Objections

7. Claim 13 is objected to because of the following informalities: (1) a term "and" is missing at the end of the first named compound; and (2) The symbol ";" needs to be replaced with a symbol "." at the end of the claim. Correction is required.

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8. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rei-tsang Shiao whose telephone number is (571) 272-0707. The examiner can normally be reached on 8:30 AM - 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. McKane can be reached on (571) 272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/REI-TSANG SHIAO /

Rei-tsang Shiao, Ph.D. Primary Examiner Art Unit 1626

June 15, 2009